IFWO

RAW SEQUENCE LISTING   DATE: 07/21/2004
PATENT APPLICATION: US/10/782,021   TIME: 09:25:36

Input Set : A:\PC25700A.ST25.txt
Output Set: N:\CRF4\07212004\J782021.raw

```
     3 <110> APPLICANT: Pfizer, Inc.
     4        Katugampola, Sidath Dhammika
     6 <120> TITLE OF INVENTION: TREATMENT OF HYPERTENSION
     8 <130> FILE REFERENCE: PC25700A
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/782,021
C--> 10 <141> CURRENT FILING DATE: 2004-02-19
    10 <150> PRIOR APPLICATION NUMBER: 60/454,052
    11 <151> PRIOR FILING DATE: 2003-03-12
    13 <160> NUMBER OF SEQ ID NOS: 6
    15 <170> SOFTWARE: PatentIn version 3.2
    17 <210> SEQ ID NO: 1
    18 <211> LENGTH: 1197
    19 <212> TYPE: DNA
    20 <213> ORGANISM: homo sapiens
    22 <400> SEQUENCE: 1
    23 atgcacaccg tggctacgtc cggacccaac gcgtcctggg gggcaccggc caacgcctcc      60
    25 ggctgcccgg gctgtggcgc caacgcctcg gacggcccag tcccttcgcc gcgggccgtg     120
    27 gacgcctggc tcgtgccgct cttcttcgcg gcgctgatgc tgctgggcct ggtggggaac     180
    29 tcgctggtca tctacgtcat ctgccgccac aagccgatgc ggaccgtgac caacttctac     240
    31 atcgccaacc tggcggccac ggacgtgacc ttcctcctgt gctgtgtccc cttcacggcc     300
    33 ctgctgtacc cgctgcccgg ctgggtgctg ggcgacttca tgtgcaagtt cgtcaactac     360
    35 atccagcagg tctcggtgca ggccacgtgt gccactctga ccgccatgag tgtggaccgc     420
    37 tggtacgtga cggtgttccc gttgcgcgcc ctgcaccgcc gcacgccccg cctggcgctg     480
    39 gctgtcagcc tcagcatctg ggtaggctct gcggcggtgt ctgcgccggt gctcgccctg     540
    41 caccgcctgt cacccgggcc gcgcgcctac tgcagtgagg ccttccccag ccgcgccctg     600
    43 gagcgcgcct tcgcactgta caacctgctg gcgctgtacc tgctgccgct gctcgccacc     660
    45 tgcgcctgct atgcggccat gctgcgccac ctgggccggg tcgccgtgcg ccccgcgccc     720
    47 gccgatagcg ccctgcaggg gcaggtgctg gcagagcgcg caggcgccgt gcgggccaag     780
    49 gtctcgcggc tggtggcggc cgtggtcctg ctcttcgccg cctgctgggg ccccatccag     840
    51 ctgttcctgg tgctgcaggc actgggcccc gcgggctcct ggcacccacg cagctacgcc     900
    53 gcctacgcgc ttaagacctg ggctcactgc atgtcctaca gcaactccgc gctgaacccg     960
    55 ctgctctacg ccttcctggg ctcgcacttc cgacaggcct ccgccgcgt ctgccctgc     1020
    57 gcgccgcgcc gcccccgccg ccccggccgg cccggaccct cggaccccgc agccccacac    1080
    59 gcggagctgc accgcctggg gtcccacccg gcccccgcca gggcgcagaa gccagggagc    1140
    61 agtgggctgg ccgcgcgcgg gctgtgcgtc ctggggagg acaacgcccc tctctga      1197
    64 <210> SEQ ID NO: 2
    65 <211> LENGTH: 1188
    66 <212> TYPE: DNA
    67 <213> ORGANISM: Rattus norvegicus
    69 <400> SEQUENCE: 2
    70 atggccgcag aggcgacgtt gggtccgaac gtgagctggt gggctccgtc caacgcttcg      60
    72 ggatgcccgg gctgcggtgt caatgcctcg gatggcccag gctccgcgcc aaggcccctg     120
    74 gatgcctggc tggtgcccct gtttttcgct gccctaatgt tgctggggct agtcgggaac     180
```

RAW SEQUENCE LISTING   DATE: 07/21/2004
PATENT APPLICATION: US/10/782,021   TIME: 09:25:36

Input Set : A:\PC25700A.ST25.txt
Output Set: N:\CRF4\07212004\J782021.raw

```
 76 tcactggtca tcttcgttat ctgccgccac aagcacatgc agaccgtcac caatttctac    240
 78 atcgctaacc tggcggccac agatgtcact ttccttctgt gctgcgtacc cttcaccgcg    300
 80 ctcctctatc cgctgcccac ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac    360
 82 atccagcagg tctcggtgca agccacatgt gccactttga cagccatgag tgtggaccgc    420
 84 tggtacgtga ctgtgttccc gctgcgtgca cttcaccgcc gcactccgcg cctggccctg    480
 86 actgtcagcc ttagcatctg ggtgggttcc gcagctgttt ccgccccggt gctggctctg    540
 88 caccgcctgt cgcccgggcc tcacacctac tgcagtgagg cgtttcccag ccgtgccctg    600
 90 gagcgcgctt cgcgctcta caacctgctg ccctatacc tgctgccgct gctcgccacc    660
 92 tgcgcctgct acggtgccat gctgcgccac ctgggccgcg ccgctgtacg ccccgcaccc    720
 94 actgatggcg ccctgcaggg gcagctgcta gcacagcgcg ctggagcagt gcgcaccaag    780
 96 gtctcccggc tggtggccgc tgtcgtcctg ctcttcgccg cctgctgggg cccgatccag    840
 98 ctgttcctgg tgcttcaagc cctgccgctc gggggcctgg caccctcgaa gctatgcgcc    900
100 tacgcgctca agatctgggc tcactgcatg tcctacagca attctgcgct caacccgctg    960
102 ctctatgcct tcctgggttc ccacttcaga caggccttct gccgcgtgtg cccctgcggc   1020
104 ccgcaacgcc agcgtcggcc ccacgcgtca gcgcactcgg accgagccgc accccatagt   1080
106 gtgccgcaca gccgggctgc gcaccctgtc cgggtcagga cccccgagcc tgggaaccct   1140
108 gtggtgcact cgccctctgt tcaggatgaa cacactgccc cactctga                1188
111 <210> SEQ ID NO: 3
112 <211> LENGTH: 1191
113 <212> TYPE: DNA
114 <213> ORGANISM: Mus musculus
116 <400> SEQUENCE: 3
117 atggccaccg aggcgacatt ggctcccaat gtgacctggt gggctccgtc caacgcttca     60
119 ggatgcccag gctgcggtgt caacgcctcg gatgacccag gctctgcgcc aaggcccctg    120
121 gatgcctggc tggttcccct gtttttcgct acactcatgt tgcttgggct ggtcggaaac    180
123 tcattggtca tctacgttat ctgccgccac aagcacatgc agacagttac caacttctac    240
125 atcgctaacc tggctgccac agacgtcact ttcctactgt gctgcgtgcc cttcaccgca    300
127 ctcctctacc cgctgcccgc ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac    360
129 atccagcagg tctcggtgca agccacatgt gccactctga cggccatgag tgtggaccgc    420
131 tggtatgtga ctgtgttccc gctgcgtgca cttcaccgcc gcactccgcg cctggccctg    480
133 gctgtcagcc tcagcatctg ggtggggtca gcagctgtgt ccgccccggt gctggccctg    540
135 caccgcctgt cgccagggcc tcgcacctac tgcagcgagg cgtttcccag ccgcgccctg    600
137 gagcgcgcct cgcgctcta caacctgctg gctctatatc tgctgccgct gctcgccacc    660
139 tgcgcctgct acggcgccat gctgcgccac ctgggccgtg cggctgtacg ccccgcaccc    720
141 actgacggcg ccctgcaggg acagctgcta gcacagcgcg ccggagcagt gcgcaccaag    780
143 gtctcccggc tggtggccgc tgtcgtcctg ctcttcgccg cctgctgggg cccgatccag    840
145 ctgttcctgg tgcttcaagc cctgggcccc tcgggggcct ggcaccctcg aagctatgcc    900
147 gcctacgcgg tcaagatctg ggctcactgc atgtcctaca gcaactcggc gctcaatccg    960
149 ctgctctatg ccttcctggg ttcacacttc agacaggcct tctgccgcgt gtgccccctgc   1020
151 tgccggcaac gccagcgccg gccccacacg tcagcgcact cggaccgagc tgcaactcac   1080
153 actgtgccgc acagccgtgc tgcgcaccct gtgcggatca ggagcccgga gcctgggaac   1140
155 cctgtggtgc gctcgccctg cgctcagagt gaacgcactg cctcactctg a            1191
158 <210> SEQ ID NO: 4
159 <211> LENGTH: 398
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 4
165 Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro
166 1               5                   10                  15
```

```
169 Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
170             20          25          30
173 Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
174             35          40          45
177 Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
178         50          55          60
181 Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
182 65          70          75          80
185 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
186             85          90          95
189 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp
190             100         105         110
193 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
194             115         120         125
197 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
198         130         135         140
201 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
202 145         150         155         160
205 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
206             165         170         175
209 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser
210             180         185         190
213 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
214             195         200         205
217 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
218         210         215         220
221 Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro
222 225         230         235         240
225 Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala
226             245         250         255
229 Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
230             260         265         270
233 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
234             275         280         285
237 Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu
238         290         295         300
241 Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
242 305         310         315         320
245 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg
246             325         330         335
249 Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Arg Pro Gly
250             340         345         350
253 Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu His Arg Leu Gly Ser
254             355         360         365
257 His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala
258         370         375         380
261 Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu
262 385         390         395
265 <210> SEQ ID NO: 5
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/782,021

DATE: 07/21/2004
TIME: 09:25:36

Input Set : A:\PC25700A.ST25.txt
Output Set: N:\CRF4\07212004\J782021.raw

```
266 <211> LENGTH: 395
267 <212> TYPE: PRT
268 <213> ORGANISM: Rattus norvegicus
270 <400> SEQUENCE: 5
272 Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro
273 1               5                   10                  15
276 Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly
277             20                  25                  30
280 Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
281         35                  40                  45
284 Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
285     50                  55                  60
288 Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
289 65                  70                  75                  80
292 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
293                 85                  90                  95
296 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Thr Trp Val Leu Gly Asp
297             100                 105                 110
300 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
301         115                 120                 125
304 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
305     130                 135                 140
308 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
309 145             150                 155                 160
312 Thr Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
313             165                 170                 175
316 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro His Thr Tyr Cys Ser
317             180                 185                 190
320 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
321         195                 200                 205
324 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
325     210                 215                 220
328 Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro
329 225             230                 235                 240
332 Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala
333             245                 250                 255
336 Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
337             260                 265                 270
340 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
341         275                 280                 285
344 Pro Leu Gly Gly Leu Ala Pro Ser Lys Leu Cys Ala Tyr Ala Leu Lys
345     290                 295                 300
348 Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro Leu
349 305             310                 315                 320
352 Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg Val
353             325                 330                 335
356 Cys Pro Cys Gly Pro Gln Arg Gln Arg Arg Pro His Ala Ser Ala His
357             340                 345                 350
360 Ser Asp Arg Ala Ala Pro His Ser Val Pro His Ser Arg Ala Ala His
```

```
361          355              360              365
364 Pro Val Arg Val Arg Thr Pro Glu Pro Gly Asn Pro Val Val His Ser
365      370              375              380
368 Pro Ser Val Gln Asp Glu His Thr Ala Pro Leu
369 385              390              395
372 <210> SEQ ID NO: 6
373 <211> LENGTH: 396
374 <212> TYPE: PRT
375 <213> ORGANISM: Mus musculus
377 <400> SEQUENCE: 6
379 Met Ala Thr Glu Ala Thr Leu Ala Pro Asn Val Thr Trp Trp Ala Pro
380 1              5              10              15
383 Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Asp
384          20              25              30
387 Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
388          35              40              45
391 Phe Ala Thr Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
392      50              55              60
395 Tyr Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
396 65              70              75              80
399 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
400          85              90              95
403 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Ala Trp Val Leu Gly Asp
404          100             105             110
407 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
408          115             120             125
411 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
412      130             135             140
415 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
416 145             150             155             160
419 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
420          165             170             175
423 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Thr Tyr Cys Ser
424      180             185             190
427 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
428      195             200             205
431 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
432      210             215             220
435 Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro
436 225             230             235             240
439 Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala
440          245             250             255
443 Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
444      260             265             270
447 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
448      275             280             285
451 Gly Pro Ser Gly Ala Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Val
452      290             295             300
455 Lys Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
```

VERIFICATION SUMMARY   DATE: 07/21/2004
PATENT APPLICATION: **US/10/782,021**   TIME: 09:25:37

Input Set : **A:\PC25700A.ST25.txt**
Output Set: **N:\CRF4\07212004\J782021.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date